## Session 2 – Exercise 1 Week 2: Why We Visualize

## “Positive Cases (Months)”, “Accumulative Death Cases”

### Intro

* Show Date Dimension (using Covid Data)
* Difference between Blue/Green
* Introducing filter

### Topics covered

* Dates formatting
* Trends Over Time: Make a Line Chart

### To Do

* Connect to Covid Data
* Build 2 different time charts
* Add filter
* Change color

### Instructions

Connect to CSV-file “COVID-19 Activity.csv”.  
If headers are not shown (ie. FI, F2 etc), right click and tick off “Field names…”

Graphical user interface, text, application

Description automatically generated

View one

* Show the “People Death New Count” for each month (discrete date part).
* Filter on “Country” to Norway, using a “Single Value (dropdown)”.
* Adjust title, add selected “Country”.

View two

* Show the “People Death Count” for each day (continuous date value).
* Filter on “Country” to Norway and Sweden, using a “Multiple Value (dropdown)”.
* Color Norway = Red, Sweden = Yellow.

### Result

View one

Chart, bar chart

Description automatically generated

View two

Chart, line chart

Description automatically generated

## Session 2 – Exercise 2 Week 2:

## “# Deaths for Each Continent”, “# Positive Cases pr Continent/Country”

### Intro

* Show Parts to Whole (using Covid Data)
* Remember negative values
* Best practices (not too many members in a dimension)

### Topics covered

* Parts to Whole
* Treemap vs Pie Chart

### To Do

* Building a chart: Treemap vs. Barchart vs Pie Chart
* Remove NULL-value
* Add Highlighter

### Instructions

Use Covid 19 data set

View One

* Create a pie chart with “Continent” on color, sum of “People Death New Count” on Angle.
* Also add the same on Label.
* Modify the green pill on Label to a “Table Calc”, “% of total”.
* Add sum on Label again.
* Remove “Null” value on “Continent” from the view (Exclude).

View Two

* Create a tree map with “Continent” on color, sum of “People Positive New Cases” on Size.
* Add “Country” on Label.
* Add sum on Label.
* Modify the green pill on Label to a “Table Calc”, “% of total”.
* Add sum on Label again.
* Remove “Null” value on “Continent” from the view (Exclude).
* Add Highlighter for “Country”.

### Result

View One (Pie Chart)

Chart, pie chart

Description automatically generated

View two (Tree Map)

Chart, treemap chart

Description automatically generated